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**U.S. PATENT DOCUMENTS** 

EXAMINER -		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
14	AA	5,371,017	12/6/94	Houghton et al.	٠		
7	AB	5,585,258	12/17/96	Houghton et al.			
	AC	5,597,691	1/28/97	Houghton et al.			
1	AD	5,712,145	1/27/98	Houghton et al.			
1	AE	5,739,002	4/14/98	DeFrancesco et al.			
13	AF	5,843,752	12/1/98	Dasmahapatra et al.			
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	IRAN YES	SLATION NO
925	AM	WO 91/15575	10/17/91	PCT				
1	AN	WO 96/36702	11/21/96	PCT				
	AO	WO 97/08304	3/6/97	PCT				
	AP	WO 98/11134	3/19/98	PCT				
Ik	AQ	WO 98/12308	3/26/98	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

RS	AR	Love et al., Cell 87:331-342 (1996)
7	AS	Kim et al., Cell 87:343-355 (1996)
25	АТ	Ingallinella et al., Biochemistry 37:8906-8914 (1998)
EYAMIN	FR	DATE CONSIDERED C. / )

\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

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## FOREIGN PATENT DOCUMENTS

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		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLAS S	TRAN	SLATION NO
10	AA	WO 95/22985	8/31/95	PCT	-			
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.) Yan et al., Protein Science 7:837-847 (1998) Taremi et al., Protein Science 7:2143-2149 (1998) AB Keutmann et al., Molecular Endocrinology 6:904-912 (1992) AC Bianchi et al., J. Mol. Biol. 236:649-659 (1994) AD DeFrancesco et al., 35:13282-13287 (1996) ΑE Choo et al., Science 244:359-362 (1989) AF Kuo et al., Science 244:362-364 (1989) AG Choo et al., Proc. Of Natl. Acad. of Sciences 88:2451-2455 (1991) AH Grakoui et al., Journal of Virology 67:2832-2843 (1993) Αl Bartenschlager et al., Journal of Virology 67:3835-3844(1943) AJ Grakoul et al., Journal of Virology 67:1385-1395 (1993) AK Hijikata et al., Proc. Of Natl. Acad. of Sciences 90:10773-10777 (1993) AL Tomei et al., Journal of Virology 67:4017-4026 (1993) AM Bartenschlager et al., Journal of Virology 68:5045-5055 (1994) AN EXAMINER **DATE CONSIDERED** 10 Z

FORM PTO-1449 (REV. 7-85) U.S. DEPARTMENT F COMMERCE
PATENT AND TRADEMARK OFFICE

## INFORMATION DISCLOSURE CITATION

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Sheet 4 of 8

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)
art et al., Biochem, And Biophys, Res. Commun. 192:399-406 (1993)

	PADE	F. I. a. J. J. Brank and A. J. Brank and B. J. Communication (1997)
PS	AA	Eckart et al., Biochem. And Biophys. Res. Commun. 192:399-406 (1993)
<del>\  </del>	АВ	Lin et al., Journal of Virology 68:8147-8157 (1994)
	AC	Manabe et al., Virology 198:636-644 (เฯฯฯ)
	AD	Chambers et al., Proc. Of the Natl. Acad. of Sciences 87:8898-8902 (1990)
	AE	Xu et al., Journal of Virology 71:5312-5322 (1997)
	AF	Overton et al., Journal of General Virology 71:5312-5322 (1994)
	AG	Bartenschlager et al., Journal of Virology 71:5312-5322 (1995)
1	АН	Bouffard et al., Virology 209:52-59 (1995)
	AI	Tanji et al., Journal of Virology 69:1575-1581 (1995)
	AJ	Lin et al., Proc. Of Natl. Acad. Sciences 92:7622-7626 (1995)
	AK	Satoh et al., Journal of Virology 69:4255-4260 (1995)
	AL	Tanji et al., Gene 145:215-219 (1994)
	АМ	Failla et al., Journal of Virology 69:1769-1777 (1995)
43	AN	Shojo et al., Hepatology 22:1648-1655 (1995)
EXAMINE	R	DATE CONSIDERED 9/3003

Sheet 5 of 6

FORM PTO-1449 (REV. 7-85) U.S. DEPARTMENT OF COMMERCE
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.) Lin et al., Journal of Virology 69:4373-4380 (1995) Tomei et al., Journal of General Virology 77:1065-1070 (1995) AB Shimizu et al., Journal of Virology 70:127-132 (1996) AC Lin et al., Proc. Of the Natl. Acad. Sciences 92:7622-7626 (1995) AD Suzuki et al., Journal of General Virology 76;3021-3029 (1995) ΑE Hong et al., Journal of Virology 70:4261-4268 (1996) AF Steinkuhler et al., Journal of Virology 70:6694-6700 (1996) AG Inoue et al., Biochem. and Biophys. Res. Commun. 245:478-482 (1998) AΗ Kunkel et al., Proc. Natl. Acad. Sciences 82:488 (1985) ΑI Taliani et al., Analytical Biochem. 240:60-67 (1996) ΑJ Pasquo et al., Folding and Design 3:433-441 (1996) ΑK Jin et al., Archives of Biochem. And Biophys. 323:47-53 (1995) ΑL Hijikata et al., Journal of Virology 67:4665-4675 (1993) AΜ Markland et al., Journal of Gen. Virology 78:39-43 (1997) AN DATE CONSIDERED **EXAMINER** 

Sheet 6 of 6

FORM PTO-1449 (REV. 7-85) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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Group 1633

THE TRADEWART OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.) Branden et al., Introduction to Protein Structur pp. 11-15 (1991) The Solution Structure of the N-terminal Protease Domain of the Hepatitis C Virus (HCV) NS3 AB Protein Provides New Insights Into its Activation and Catalytic Mechanism. Barbato G., Cicero D.O., Nardi M.C., Steinkuhler C., Cortese R., DeFrancesco R., and Bazzo R. Abstract from the Frontiers of NMR in Molecular Biology VI Keystone Meeting, (1999) Breckenridge CO AC AD ΑE AF AG AH ΑI AJ AK AL **AM** AN EXAMINER DATE CONSIDERED